

Stated Meeting, January 20, 1899.

Vice-President SELLERS in the Chair.

Present, 12 members.

The death of Major Jedediah Hotchkiss, of Staunton, Va., a member of the Society, was announced.

A verbal communication was made by Mr. Wadamori, of Japan, upon "A New System of Mnemonics."

A paper entitled "Photometric Researches," by Prof. Hugo Seeliger, of Munich, Bavaria, translated and edited by Prof. A. W. Myers, of the University of Illinois, was offered for the *Transactions*, and on motion was referred to a Committee consisting of Profs. E. C. Pickering, C. L. Doolittle and M. B. Snyder.

A communication for the *Proceedings* from Mr. A. Radcliffe Grote, on "Specializations of the Lepidopterous Wing: the Parnassi-Papilionidæ. I," was read.

Dr. I. Minis Hays was elected Librarian for the current year.

Pending nominations Nos. 1477, 1478, 1480, and new nominations Nos. 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488 and 1489, having been read, the meeting was declared adjourned.

SPECIALIZATIONS OF THE LEPIDOPTEROUS WING; PARNASSI-PAPILIONIDÆ.

I.

BY A. RADCLIFFE GROTE, A.M.

(Read January 20, 1899.)

This communication embodies results obtained from a study of the neuration of the types of genera proposed in literature in the Papilionides. It may be considered as a contribution to phylogeny in the group, from the fact that it exhibits the characters of specialization recognized by me in the structure of the wings, while the inference is accepted that the more specialized are also the younger